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Express Mail No.: EM 202 006 284 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruddy *et al.*

Serial No.: 08/852,495

Group Art Unit: to be assigned

Filed: May 7, 1997

Examiner: to be assigned

For: POLYMORPHISMS IN THE
REGION OF THE HUMAN
HEMOCHROMATOSIS GENE

Attorney Docket No.:
8907-0057-999

TRANSMITTAL OF CERTIFICATE UNDER 37 C.F.R. § 3.37(b)
AND REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

MAR 12 1998

Sir:

Applicants respectfully request that the attached Certificate Under 37 C.F.R. §3.73(b) and Revocation and Power of Attorney be filed in connection with the above-captioned application. Applicants believe that no fee is required at this time.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Pennie & Edmonds LLP Deposit Account No. 16-1150 for any matter in connection with this transmittal.

Respectfully submitted,

Date March 3, 1998

Brian M. Poissant

X by Victoria Lee
Reg. No. 35,750
28,462

Brian M. Poissant

(Reg. No.)

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, New York 10036-2711
(212) 790-9090

Enclosure

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



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AND REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned has reviewed all the documents in the chain of title of the above-identified patent application and, to the best of undersigned's knowledge and belief, title is in the assignee identified below. Attached hereto is a copy of the Notice of Recordation of Assignment Document for the above-identified application.

MERCATOR GENETICS, INC., a California corporation, having its principal place of business located at 4040 Campbell Avenue, Menlo Park, California, 94025, certifies that, subject to certain rights of the U.S. government, it is the assignee and owner of the entire right, title and interest in, to and under the invention described and claimed in the above-identified application, and hereby revokes all previous Powers of Attorney granted in this application and appoints the following attorneys:

S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III
(Reg. No. 20280), Berj A. Terzian (Reg. No. 20060),
Gerald J. Flintoft (Reg. No. 20823), David Weild, III (Reg.
No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry
D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg.
No. 25736), Isaac Jarkovsky (Reg. No. 22713), Joseph V.
Colaianni (Reg. No. 20019), Charles E. McKenney (Reg.
No. 22795), Philip T. Shannon (Reg. No. 24278), Francis
E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No.

24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Ann L. Gisolfi (Reg. No. 31956), Mark A. Farley (Reg. No. 33170), and James G. Markey (Reg. No. 31636), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, its attorneys,

to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please direct all correspondence, telephone calls and facsimile transmissions to:

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, New York 10036-2711
(650) 493-4935 - Telephone
(650) 493-5556 - Facsimile

MERCATOR GENETICS, INC

Date: 2/27/98

By: D Given
Name: Douglass B. Given
Title: President



017957-00011045
RPF
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JANUARY 13, 1998

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
RENEE A. FITTS
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CA 94111-3834



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8907-057-999



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/19/1997

REEL/FRAME: 8813/0560
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RUDDY, DAVID A.

DOC DATE: 11/11/1997

ASSIGNOR:

WOLFF, ROGER K.

DOC DATE: 11/07/1997

ASSIGNEE:

MERCATOR GENETICS, INC.
4040 CAMPBELL AVENUE
MENLO PARK, CALIFORNIA 94025

SERIAL NUMBER: 08852495

FILING DATE: 05/07/1997
ISSUE DATE:

PATENT NUMBER:

60
98 JAN 26 AM 8 52
RECEIVED
TOWNSEND & TOWNSEND

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

2-03-1997

Attorney Docket No. 17957-000110US

FORM PTO-1595
(Rev. 6-93)COVER SHEET
ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100581245

To the Honorable Asst. Commissioner for Patents, Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David A. Ruddy
Roger K. Wolff

Additional name(s) of conveying party(ies) attached?

 Yes No

2. Name and address of receiving party(ies):

Name: Mercator Genetics, Inc.

Internal Address:

Street Address: 4040 Campbell Avenue

City: Menlo Park State: CA ZIP: 94025

3. Nature of conveyance:

 Assignment Merger Security Agreement Change of Name Other:

Execution Date: 11/11/97, 11/7/97

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 08/852,495

B. Patent No.(s)

Additional numbers attached?

 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Renee A. Fitts
TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(650) 326-24006. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed Charge Fees to Deposit Account
 Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Renee A. Fitts

Signature

Name of Person Signing

11/17/97

Date

Atty. Reg. No. 35,136

Total number of pages including cover sheet, attachments, and documents: 210. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Do not detach this portion
 Asst. Commissioner for Patents
 Box Assignments
 Washington, D.C. 20231

08/852,495
00000000 40.00
11/17/97 TTIN11
12/02/1997 TTIN11
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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, David A. Ruddy of 885 Greenwich Street, San Francisco, CA 94133, and Roger K. Wolff of 41 Eugene Street, Mill Valley, CA 94941, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **Polymorphisms in the Human Hemochromatosis Gene**

Filing date: May 7, 1997 Application No.: 08/852,495; and

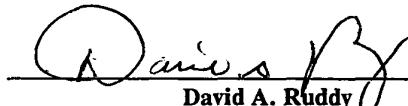
WHEREAS, Mercator Genetics, Inc. a California corporation, located at 4040 Campbell Avenue, Menlo Park, CA 94025, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

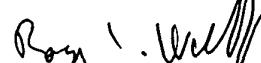
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 11/11/97



David A. Ruddy

Date: 11/7/97



Roger K. Wolff